

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P566288

Luminaire Tested: **4SNX-33SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-33SL-LC-UNV-L840-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

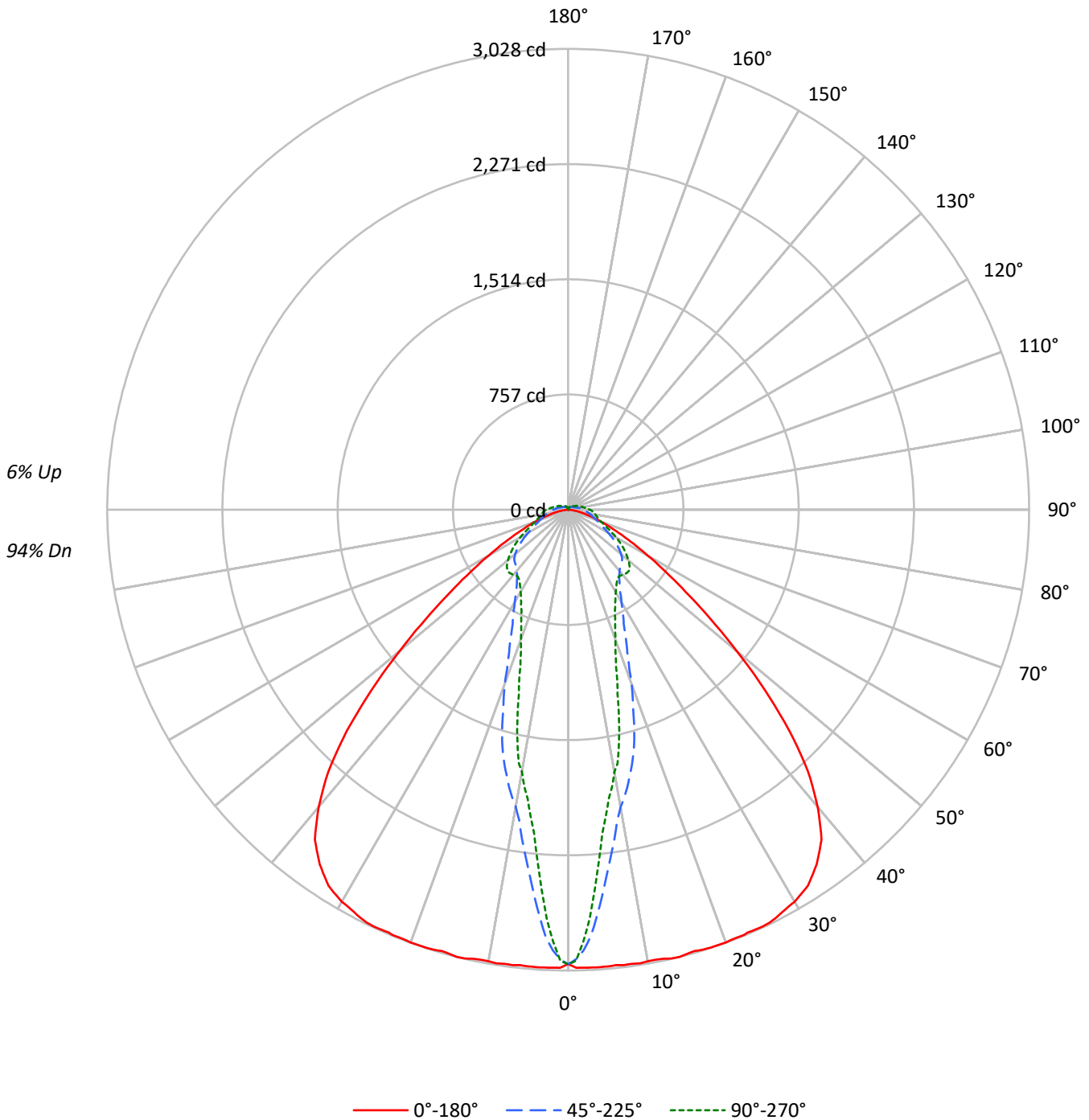
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3681.0 lumens
Efficiency: N/A
Efficacy: 174.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 21.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P566288
CATALOG NUMBER: 4SNX-33SL-LC-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566288

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L840-CD

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32143	32143	32143
5°	32433	26400	23631
10°	32687	19930	17103
15°	33284	16292	11843
20°	34142	11788	8364
25°	35207	8446	6580
30°	36107	6748	5604
35°	36321	5708	5019
40°	34626	5188	5032
45°	30048	5012	5169
50°	23053	4767	4823
55°	16706	4169	4280
60°	12122	3479	3619
65°	8821	2942	2967
70°	6498	2599	2557
75°	4618	2406	2385
80°	3028	2253	2348
85°	1422	2149	2351



TEST NUMBER: P566288

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.8	6.4
10°-20°	510.0	13.9
20°-30°	583.7	15.9
30°-40°	584.8	15.9
40°-50°	553.6	15.0
50°-60°	424.5	11.5
60°-70°	273.7	7.4
70°-80°	174.5	4.7
80°-90°	115.9	3.1
90°-100°	77.9	2.1
100°-110°	51.3	1.4
110°-120°	35.7	1.0
120°-130°	24.9	0.7
130°-140°	17.3	0.5
140°-150°	10.6	0.3
150°-160°	5.4	0.1
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1328.5	36.1
0°-40°	1913.3	52.0
0°-60°	2891.4	78.5
0°-90°	3455.5	93.9
90°-120°	164.9	4.5
90°-150°	217.7	5.9
90°-180°	226.0	6.1
0°-180°	3681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2986	2986	2986	2986	2986	
5°	3013	2847	2550	2379	2315	288
15°	3020	2175	1658	1362	1253	857
25°	3022	1539	877	762	726	1393
35°	2845	856	587	568	560	1765
45°	2056	541	494	547	566	1563
55°	943	387	381	428	445	867
65°	377	243	240	274	283	388
75°	128	132	166	190	200	141
85°	17	60	117	153	164	23
90°	0	42	98	136	142	1
95°	0	30	81	111	117	0
105°	0	23	53	76	81	1
115°	2	19	40	55	58	2
125°	2	17	34	40	42	2
135°	2	13	26	32	34	1
145°	2	9	19	24	26	1
155°	2	6	11	17	19	1
165°	4	4	8	9	11	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



TEST NUMBER: P566288

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2986.2	2986.2	2986.2	2986.2	2986.2
1°	3010.7	2993.8	2954.1	2965.5	2963.6
2°	3010.7	2974.9	2897.5	2874.9	2841.0
3°	3012.6	2942.8	2810.8	2737.2	2690.0
4°	3012.6	2895.7	2682.5	2559.9	2499.5
5°	3012.6	2846.6	2550.4	2378.8	2314.6
6°	3008.8	2788.1	2416.5	2235.4	2139.2
7°	3014.5	2724.0	2295.8	2101.5	2026.0
8°	3012.6	2648.5	2184.5	1999.6	1916.6
9°	3018.3	2575.0	2063.7	1903.4	1841.1
10°	3012.6	2507.1	1984.5	1812.9	1748.7
11°	3012.6	2441.0	1927.9	1754.4	1699.7
12°	3016.4	2365.6	1865.7	1671.4	1595.9
13°	3025.8	2288.2	1794.0	1580.8	1492.2
14°	3027.7	2229.8	1728.0	1465.7	1373.3
15°	3020.2	2175.0	1658.2	1362.0	1252.6
16°	3016.4	2118.5	1575.2	1263.9	1165.8
17°	3023.9	2052.4	1480.8	1163.9	1073.4
18°	3025.8	1992.1	1380.9	1088.5	1009.2
19°	3025.8	1944.9	1299.7	1018.7	950.8
20°	3025.8	1899.6	1216.7	965.8	907.4
21°	3022.0	1843.0	1122.4	911.1	862.1
22.5°	3023.9	1737.4	1014.9	847.0	807.4
23°	3018.3	1711.0	988.5	830.0	788.5
24°	3020.2	1635.5	931.9	796.1	756.5
25°	3022.0	1539.3	877.2	762.1	726.3
26°	3018.3	1462.0	831.9	730.0	705.5
27°	3008.8	1399.7	799.8	703.6	681.0
28°	2995.6	1316.7	765.9	681.0	660.2
29°	2982.4	1222.4	731.9	656.5	641.4
30°	2974.9	1146.9	699.9	637.6	624.4
32.5°	2929.6	997.9	633.8	599.9	588.6
35°	2844.7	856.4	586.7	567.8	560.3
37.5°	2733.4	747.0	550.8	547.1	548.9
40°	2550.4	660.2	524.4	541.4	558.4
42.5°	2331.6	592.3	505.6	547.1	565.9
45°	2056.2	541.4	494.2	547.1	565.9
47.5°	1750.6	499.9	481.0	528.2	547.1
50°	1445.0	462.2	454.6	499.9	516.9
52.5°	1175.2	426.3	420.7	464.1	481.0
55°	943.2	386.7	381.1	428.2	445.2
57.5°	756.5	349.0	343.3	386.7	403.7
60°	603.7	311.3	301.8	345.2	362.2
62.5°	481.0	275.4	269.8	307.5	322.6
65°	377.3	243.3	239.6	273.5	283.0



TEST NUMBER: P566288

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	298.1	213.2	215.1	243.3	254.7
70°	230.1	184.9	196.2	222.6	230.1
72.5°	173.6	156.6	181.1	203.7	213.2
75°	128.3	132.0	166.0	190.5	200.0
77.5°	88.7	109.4	152.8	179.2	188.6
80°	60.4	88.7	139.6	169.8	181.1
82.5°	35.8	73.6	128.3	160.3	173.6
85°	17.0	60.4	117.0	152.8	164.1
87.5°	5.7	49.0	105.6	145.3	154.7
90°	0.0	41.5	98.1	135.8	141.5
92.5°	0.0	35.8	88.7	124.5	128.3
95°	0.0	30.2	81.1	111.3	117.0
97.5°	0.0	28.3	75.5	100.0	107.5
100°	0.0	26.4	67.9	90.5	98.1
102.5°	0.0	22.6	60.4	81.1	88.7
105°	0.0	22.6	52.8	75.5	81.1
107.5°	1.9	20.8	49.0	67.9	75.5
110°	1.9	20.8	43.4	64.1	69.8
112.5°	1.9	20.8	41.5	58.5	66.0
115°	1.9	18.9	39.6	54.7	58.5
117.5°	1.9	18.9	37.7	49.0	52.8
120°	1.9	17.0	35.8	45.3	47.2
122.5°	1.9	17.0	34.0	41.5	43.4
125°	1.9	17.0	34.0	39.6	41.5
127.5°	1.9	15.1	32.1	37.7	37.7
130°	1.9	15.1	30.2	35.8	35.8
132.5°	1.9	13.2	28.3	34.0	35.8
135°	1.9	13.2	26.4	32.1	34.0
137.5°	1.9	11.3	24.5	30.2	32.1
140°	1.9	11.3	22.6	28.3	30.2
142.5°	1.9	9.4	20.8	26.4	28.3
145°	1.9	9.4	18.9	24.5	26.4
147.5°	1.9	9.4	17.0	22.6	24.5
150°	1.9	7.5	15.1	20.8	22.6
152.5°	1.9	7.5	13.2	18.9	20.8
155°	1.9	5.7	11.3	17.0	18.9
157.5°	1.9	5.7	11.3	15.1	17.0
160°	3.8	5.7	9.4	13.2	15.1
162.5°	1.9	3.8	9.4	11.3	13.2
165°	3.8	3.8	7.5	9.4	11.3
167.5°	3.8	3.8	5.7	7.5	9.4
170°	3.8	3.8	5.7	5.7	7.5
172.5°	3.8	3.8	3.8	5.7	3.8
175°	3.8	3.8	3.8	3.8	1.9
177.5°	3.8	3.8	3.8	3.8	1.9



TEST NUMBER: P566288

CATALOG NUMBER: 4SNX-33SL-LC-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)